

Title (en)

Intermediate products occurring in anthracycline synthesis.

Title (de)

Zwischenprodukte bei der Synthese von Anthracyclin.

Title (fr)

Produits intermédiaires à la synthèse d'anthracycline.

Publication

**EP 0043435 A1 19820113 (EN)**

Application

**EP 81104022 A 19790605**

Priority

US 91284278 A 19780605

Abstract (en)

Various valuable intermediate products occurring in the synthesis and being useful in synthesizing doxorubicin and related compounds.

IPC 1-7

**C07C 43/18**; **C07C 43/192**; **C07C 43/21**; **C07C 43/225**; **C07C 43/23**; **C07F 1/02**; **C07C 69/76**; **C07C 69/157**; **C07C 29/04**; **C07C 41/01**

IPC 8 full level

**C07C 43/20** (2006.01); **C07C 41/00** (2006.01); **C07C 41/26** (2006.01); **C07C 43/21** (2006.01); **C07C 43/215** (2006.01); **C07C 43/225** (2006.01); **C07C 43/23** (2006.01); **C07C 45/00** (2006.01); **C07C 45/69** (2006.01); **C07C 46/00** (2006.01); **C07C 46/08** (2006.01); **C07C 49/637** (2006.01); **C07C 49/82** (2006.01); **C07C 50/36** (2006.01); **C07C 50/38** (2006.01); **C07C 67/00** (2006.01); **C07F 1/02** (2006.01)

CPC (source: EP US)

**C07C 41/14** (2013.01 - EP US); **C07C 41/16** (2013.01 - EP US); **C07C 41/22** (2013.01 - EP US); **C07C 41/26** (2013.01 - EP US); **C07C 43/21** (2013.01 - EP US); **C07C 43/215** (2013.01 - EP US); **C07C 43/225** (2013.01 - EP US); **C07C 43/23** (2013.01 - EP US); **C07C 45/69** (2013.01 - EP US); **C07F 1/02** (2013.01 - EP US); **C07C 2602/10** (2017.04 - EP US)

C-Set (source: EP US)

1. **C07C 45/69 + C07C 49/637**
2. **C07C 45/69 + C07C 49/67**
3. **C07C 41/16 + C07C 43/215**
4. **C07C 41/26 + C07C 43/23**
5. **C07C 41/14 + C07C 43/21**
6. **C07C 41/22 + C07C 43/225**

Citation (search report)

- DE 2333847 A1 19740124 - SQUIBB & SONS INC
- CHEMICAL ABSTRACTS, vol. 48, no. 2, 25 January 1954, Columbus, Ohio, (USA) T.R. LEWIS et al, "1,4-Dimethoxy-5-Methyl-6-Tetralone and 1,4-Dimethoxy-5,5-Dimethyl-6-Tetralone" column 637f & J. Am. Chem. Soc. vol. 74, 1952, pages 5321 to 5324
- Tetrahedron Letters, vol. 28, no. 27, 1977, Oxford, P.W. RAYNOLDS et al, "A Regiospecific Synthesis of Anthracyclines" pages 2383 to 2386

Designated contracting state (EPC)

AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)

**EP 0043435 A1 19820113**; AT E1853 T1 19821215; CA 1124234 A 19820525; DE 2964088 D1 19821230; EP 0007403 A1 19800206; EP 0007403 B1 19821124; JP S55390 A 19800105; JP S6254094 B2 19871113; US 4244880 A 19810113

DOCDB simple family (application)

**EP 81104022 A 19790605**; AT 79101779 T 19790605; CA 329085 A 19790605; DE 2964088 T 19790605; EP 79101779 A 19790605; JP 6901579 A 19790604; US 91284278 A 19780605